

# XS9D111A1M12

inductive sensor XS9 80x80x26 - PBT -  
Sn40mm - 24VDC - M12



## Main

Range of product	OsiSense XS
Series name	Application
Sensor type	Inductive proximity sensor
Device application	-
Sensor name	XS9
Sensor design	Flat form 80 x 80 x 26
Size	26 mm
Body type	Fixed
Detector flush mounting acceptance	Flush mountable
Material	Plastic
Enclosure material	PBT
Type of output signal	Analogue
Wiring technique	2-wire
[Sn] nominal sensing distance	40 mm
Output circuit type	DC
Analogue output range	0...10 V
Electrical connection	Male connector M12, 4 pins
[Us] rated supply voltage	24 V DC
IP degree of protection	IP67 double insulation conforming to IEC 60529

## Complementary

Detection face	Frontal
Front material	PBT
Operating zone	5...40 mm
Repeat accuracy	<= 3% of Sr
Linearity error	+/- 1 V
Status LED	Without
Supply voltage limits	15...36 V DC
Switching frequency	<= 100 Hz
Current consumption	0...4 mA no-load
Maximum output current drift	10 %
Marking	CE
Depth	26 mm
Height	80 mm
Width	80 mm




## Environment

Product certifications	UL Ecolab CSA
Ambient air temperature for operation	-25...70 °C
Ambient air temperature for storage	-40...85 °C
Vibration resistance	25 gn amplitude = +/- 2 mm (f = 10...55 Hz) conforming to IEC 60068-2-6
Shock resistance	50 gn for 11 ms conforming to IEC 60068-2-27

## Packing Units

Package 1 Weight	0.369 kg
Package 1 Height	0.410 dm
Package 1 width	0.950 dm
Package 1 Length	1.300 dm

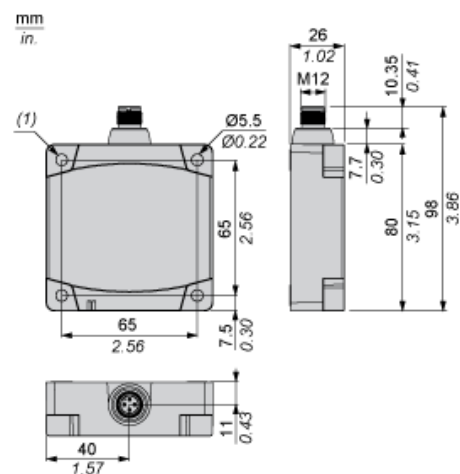
## Offer Sustainability

REACH Regulation	 <a href="#">REACH Declaration</a>
EU RoHS Directive	Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a>
Mercury free	Yes
RoHS exemption information	 Yes

## Contractual warranty

Warranty	18 months
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## Dimensions



(1) For CHC type screws

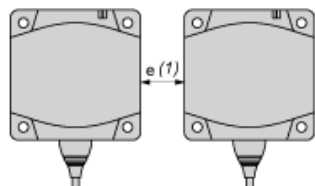
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## Setting-up

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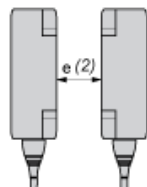
### Minimum Mounting Distances (mm)

#### Side by Side



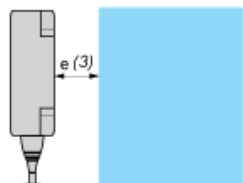
$e(1) \geq 120$

#### Face to Face



$e(2) \geq 300$

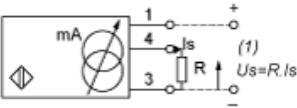
#### Facing a Metal Object



$e(3) \geq 120$

Wiring Schemes

3-Wire Connection

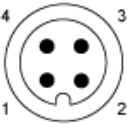


(1) Voltage output

Ensure a minimum of 5 V between the + (terminal 1) and the sensor output (terminal 4)

	Output current	Load impedance value	Output voltage	Load impedance value
24 V	0...10 mA	$R \leq 1400 \, \Omega$	0...10 V	$R = 1000 \, \Omega$

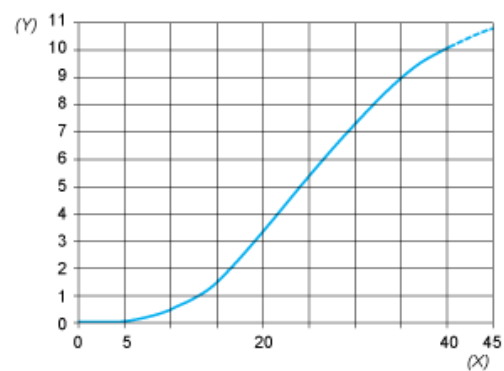
M12



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Output Curves

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(Y) Us (V)  
(X) Sensors - object distance (mm)